

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

WHAT IS CLAIMED IS:

1. An apparatus for deploying new services on a service node in a telecommunications network, comprising:

a service administration component configured to receive customer order data from a legacy system, the service administration component also configured to generate a request for a service object based on the customer order data; and

a service creation component coupled to the service administration component, the service creation component configured receive the request for a service object from the service administration component, the service creation component also configured to create a first service object based on the request for a service object;

wherein the service administration component is configured to send the first service object generated by the service creation component to a service node coupled to the service administration component.

2. The apparatus of claim 1, further comprising a first service node coupled to the service administration component, the first service node configured to deploy a telecommunications service based on the first service object received from the service administration component.

3. The apparatus of claim 2, wherein the first service node includes a data management component, the data management component configured to implement the first service object on the first service node.
4. The apparatus of claim 2, wherein the first service node includes a resource manager coupled to the service administration component, the resource manager configured to specify the types of service objects supported by the first service node.
5. The apparatus of claim 2, wherein the first service node includes a service execution environment for implementing a service based on the first service object.
6. The apparatus of claim 2, wherein the first service node includes a service node communication component, the service node communication component configured to communicate with a second service node.
7. The apparatus of claim 6, wherein the service node communication component is configured to transmit the availability of the first service object at the first service node to the second service node.
8. The apparatus of claim 1, wherein the service creation component includes a repository of service components.

9. The apparatus of claim 1, wherein the service creation component includes a repository of service components, the repository of service components including service objects.
10. The apparatus of claim 1, further comprising a legacy system coupled to the service administration component, the legacy system configured to generate customer order data.
11. The apparatus of 10, wherein the legacy system is configured to send the customer order data to the service administration component.
12. The apparatus of claim 1 wherein the service administration component includes an interface device for receiving service node physical resource capacity information.
13. The apparatus of claim 1, wherein the service administration component includes a trigger mechanism, the trigger mechanism configured to initiate activation of the first service object received by the first service node.
14. An apparatus for deploying new services on a service node in a telecommunications network, comprising:
a service administration component configured to receive customer order data from a legacy system, the

service administration component also configured to generate a request for a service object based on the customer order data;

a service creation component coupled to the service administration component, the service creation component configured receive the request for a service object from the service administration component, the service creation component also configured to create a first service object based on the request for a service object; and

a first service node coupled to the service administration component, the first service node configured to receive the first service object generated by the service creation component and deploy a telecommunications service based on the first service object.

15. The apparatus of claim 14, further comprising a legacy system coupled to the service administration component, the legacy system configured to generate customer order data.

16. The apparatus of 15, wherein the legacy system is configured to send the customer order data to the service administration component.

17. The apparatus of claim 14, wherein the first service node includes a data management component, the data management component configured to implement the first service object on the first service node.

18. The apparatus of claim 14, wherein the first service node includes a resource manager coupled to the service administration component, the resource manager configured to specify the types of service objects supported by the first service node.

19. The apparatus of claim 14, wherein the service creation component includes a repository of service components that include service objects.

20. The apparatus of claim 14, wherein the service creation component includes a repository of service components that include service objects.

21. The apparatus of claim 14, wherein the first service node includes a service execution environment for implementing a service based on the first service object.

22. The apparatus of claim 14, wherein the first service node includes a service node communication component, the service node communication component configured to communicate with a second service node.

23. The apparatus of claim 22, wherein the service node communication component is configured to transmit the

availability of the first service object at the first service node to the second service node.

24. The apparatus of claim 14, wherein the service administration component includes an interface device for receiving service node physical resource capacity information.

25. The apparatus of claim 14, wherein the service administration component includes a trigger mechanism, the trigger mechanism configured to initiate activation of the first service object received by the first service node.

26. The apparatus of claim 14, wherein the first service node includes an intelligent call processor.

27. The apparatus of claim 2, wherein the first service node includes a resource complex, the resource complex including a switch fabric.

28. The apparatus of claim 12, further comprising customer premises equipment coupled to the resource complex.

29. The apparatus of claim 14, wherein the first service node includes a resource complex, the resource complex including an intelligent peripheral.

30. A method for deploying new services on a service node in a administering services in a telecommunications network, comprising:

receiving customer order data from a legacy system;
generating a request for a service object based on the customer order data;

creating a first service object based on the request for a service object; and

sending the first service object to a first service node.

31. The method of claim 30, further comprising deploying a telecommunications service at the first service node based on the first service object.

32. The method of claim 31, wherein the deploying a telecommunications service includes implementing the first service object on the first service node.

33. The method of claim 31, further comprising receiving information specifying the types of service objects supported by the first service node.

34. Method of claim 31, further comprising transmitting, from the first service node, the availability of the first service object at the first service node to a second service node.

35. The method of claim 30, further generating customer order data at a legacy system.

36. The apparatus of 35, wherein the legacy system is configured to send the customer order data to the service administration component.

37. The method of claim 30, further comprising initiating activation of the first service object received by the first service node based on a trigger event.